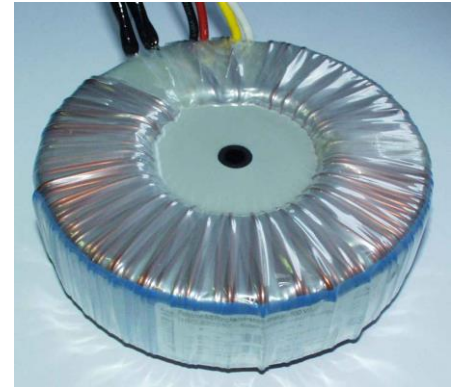
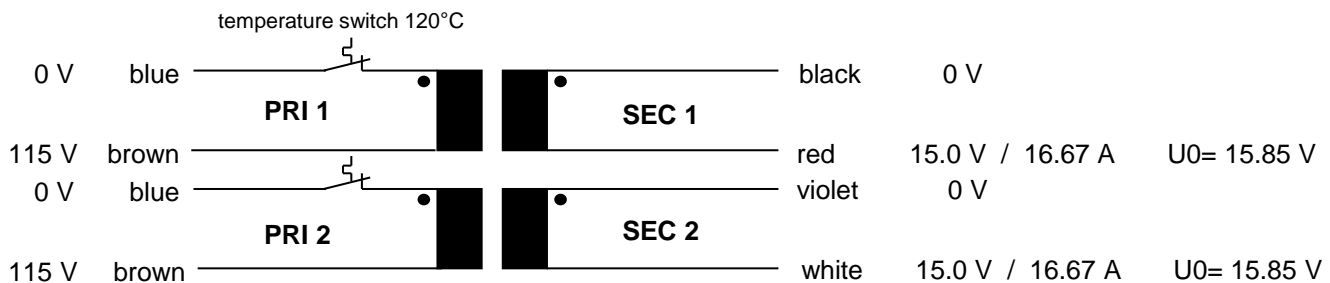


## Data sheet Polytronik® Toroidal transformer

|  |                                   |
|--|-----------------------------------|
| Part no.:                                  | <b>RSO 825058</b>                 |
| Description:                               | RKT 500VA/ 2x115V/ 2x15V 2x16.67A |
| Safety isolating transformer according to: | EN 61558-2-6 / VDE 0570           |
| Power [VA]:                                | 500                               |
| Input voltage [AC]:                        | 2 x 115 V +-10%                   |
| Output voltage [AC]:                       | 2 x 15.00 V                       |
| Output current [AC]:                       | 2 x 16.67 A                       |
| Frequency [Hz]:                            | 50/60                             |
| Dielectric strength PRI - SEC [AC]:        | 4400 V                            |
| Efficiency [%]:                            | 94                                |
| Power loss at no-load [W]:                 | 2.86                              |
| Maximum ambient temperature $t_a$ [°C]:    | 60                                |
| Temperature class:                         | B (130°C)                         |
| Temperature switch:                        | 125°C (automatically resetting)   |



### Schematic:



possible connection:

#### **PRI 1 und PRI 2**

parallel connection **115V** = connect blue with blue and brown with brown  
 series connection **230V** = connect brown with blue

possible connection:

#### **SEC 1 und SEC 2**

parallel connection **15.0V / 33.34A** = connect black with yellow and red with white  
 series connection **30.0V / 16.67A** = connect red with violet

Approval marks:

CE; ENEC; UL508 (E182061)

Connections:

primary and secondary strands 200mm long, ends assembled with ferrules

Model:

toroidal transformer pottet on mounting disc with through-hole 8.1 mm

Appliance class:

prepared for class II

Protection class:

IP 00

Recommended fuse ratings:

primary 8.00 AT / 4.00 AT (IEC60127-2-5)  
 (115V / 230V)

secondary 1 20.00 AT

secondary 2 20.00 AT

Dimensions:

diameter approx. = 156 mm

height approx. = 62 mm

Weight:

approx. 4.78 kg